

Patent Abstracts of Japan

PUBLICATION NUMBER : 10188854  
PUBLICATION DATE : 21-07-98

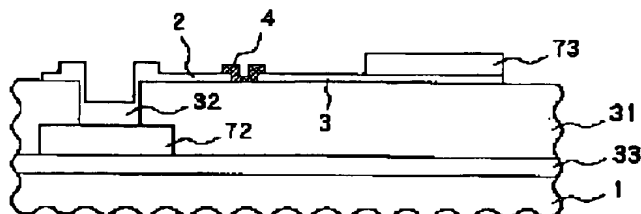
APPLICATION DATE : 26-12-96  
APPLICATION NUMBER : 08347932

APPLICANT : CANON INC;

INVENTOR : OKAMURA YOSHIMASA;

INT.CL. : H01J 29/86 H01J 1/30 H01J 9/02  
H01J 31/12

TITLE : IMAGE FORMING DEVICE AND  
MANUFACTURE THEREOF



ABSTRACT : PROBLEM TO BE SOLVED: To provide an image forming device suppressing diffusion of an alkali component from a soda line glass substrate and improving withstand voltage in a seal part and a seal of vacuum.

SOLUTION: This device is formed by holding a support frame between an electron source having a plurality of electron emitting elements and a faceplate and sealing with frit glass, in an image forming device constituting the concerned electron source and/or faceplate by a soda line glass substrate 1, in a contact part with the frit glass on the soda glass substrate 1, a silicon oxidized film or silicon nitride film 33 doping phosphorus is provided.

COPYRIGHT: (C)1998,JPO